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**From:** Morris, Mark [Morris.Mark@epa.gov]  
**Sent:** 7/26/2018 2:25:14 PM  
**To:** Riha, Kristin [Riha.Kristin@epa.gov]  
**CC:** Palma, Ted [Palma.Ted@epa.gov]; Smith, Darcie [Smith.Darcie@epa.gov]; Langdon, Robin [Langdon.Robin@epa.gov]  
**Subject:** EtO sources and risks near tribal areas  
**Attachments:** Tribes Near EtO Emitters.xlsx; Tribal\_Tracts\_Risks.xlsx

Hey, I looked at all EtO point source emitters (no emissions cutoff) and found the nearest tribal boundary to each source. The attached file, "Tribes Near EtO Emitters", gives each facility and the nearest tribal boundary (in meters), sorted by increasing distance (zero distance indicates the facility is within the boundaries). There are 654 sources nationwide, but some are very low emitters. There are only 5 emitters within tribal boundaries. Overall, the median distance is about 60 km (37 miles).

### Ex. 5 Deliberative Process (DP)

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On risks, I found all tracts that intersect tribal boundaries in the continental US (there are no EtO point sources in Alaska). The attached file, "Tribal\_Tracts\_Risks", gives the 2222 tracts that intersect tribal boundaries, along with the associated NATA risk from EtO, the total tract risk (from all HAP), and the risks from the different source groups (from all HAP). This file is sorted in decreasing level of EtO risk. The highest EtO risk is 9 in a million, which is about a quarter of the total risk (from all HAP) for that particular tract. Only 29 tracts have EtO risk > 1 in a million.

It is important to note that there are source types other than point sources that have EtO emissions in NEI, mainly solvents/coatings and waste disposal. These other source types are modeled in NATA as 12km square area sources, rather than emissions at point locations. Although the point sources dominate the emissions for the most part, there are some cases where the other source types can contribute. For example, the tract with the highest estimated EtO risk of 9 in a million is associated with solvents/coatings.

Feel free to forward this email to internal people of interest.

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